

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Marc Tremblay and William Joy

Title: EFFICIENT HANDLING OF A LARGE REGISTER FILE FOR
CONTEXT SWITCHING AND FUNCTION CALLS AND RETURNS

Application No.: 09/812,733

Filed:

March 19, 2001

Examiner: David Y. Eng

Group Art Unit:

2155

Atty. Docket No.: 004-2612-1

October 9, 2002

COMMISSIONER FOR PATENTS
Washington, DC 20231**RESPONSE TO NON-FINAL OFFICE ACTION**

This paper is responsive to a Non-Final Office action dated July 24, 2002, having a shortened statutory period for response set to expire October 24, 2002.

AMENDMENTIn the Claims

Please add the following claims.

Rule 1.126
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(New) A context switch controller in a processor comprising:
a data storage unit divided into a plurality of storage groups;
a dirty bit storage coupled to the data storage and including one or more storage bits
corresponding to one or more respective storage groups in the data storage unit;
and
a dirty bit logic coupled to the dirty bit storage and configured to receive a destination
address of one or more instructions executing on the processor.

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(New) The context switch controller of claim 6, wherein the dirty bit logic is
responsive to one or more instructions executed on the processor to

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October 9, 2002

Commissioner for Patents
Washington, D.C. 20231

Applicant: Marc Tremblay and William Joy
Title: EFFICIENT HANDLING OF A LARGE REGISTER FILE FOR CONTEXT SWITCHING
AND FUNCTION CALLS AND RETURNS
Application No.: 09/812,733 Filed: March 19, 2001
Atty. Docket No.: 004-2612-1 Client Ref. No.: P2626-C1

Dear Sir:

Transmitted herewith are the following documents in the above-identified application.

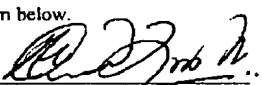
- ☒ Response to Office action (5 page(s))
☐ Petition for Extension of Time (month) (page(s))
☐ Information Disclosure Statement (page(s)), including PTO Form 1449 (page(s)), and copies of reference(s)
☐ Other: (page(s))
☒ This transmittal sheet (1 page) and Facsimile cover sheet (1 page)

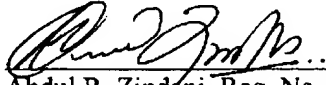
The Total Fee has been calculated as shown below:

	Claims After Amendment	Claims Previously Paid	Extra Claims	Fees
Total Claims	10	— 5 =	0 x \$18.00 =	0.00
Independent Claims	4	— 3 =	0 x \$84.00 =	0.00
Multiple Dependent Claims (if any) - \$280.00 fee				
Additional Claims Fee				\$.00
Fee For Extension Of Time				
Other Fees: ()				
TOTAL FEE DUE:				\$.00

- ☐ Applicant is, or has established status as, a small entity.
☐ A check is enclosed for the Total Fee shown above.
☐ Please charge the Total Fee shown above to Deposit Account 50-0631.
☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. § 1.16 or 1.17 which may be required during the pendency of this application, and to similarly credit any overpayment, to Deposit Account 50-0631.

Respectfully submitted,

CERTIFICATE OF TRANSMISSION	
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on the date shown below.	
 Abdul R. Zindani	10-9-02 Date


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INTERNET: www.IP-Counsel.com**RECEIVED****OCT 22 2002****Technology Center 2100****FACSIMILE MESSAGE TRANSMITTAL**

TO:	Examiner David Y. Eng U.S.P.T.O. GAU 2155	PHONE #: (703) 305-9648
FROM:	Abdul R. Zindani Reg. No. 46,091	DATE: October 9, 2002
SUBJECT:	U.S. Patent Application No. 09/812,733, filed March 19, 2001	
ATTY. DOCKET NO.	004-2612-1 (formerly SP-2612-1C-US)	
FACSIMILE #:	(703) 305-3718	PAGES: 7 (including this transmittal)

MESSAGE

Attachments:

- ☒ Transmittal Sheet (1 pages);
- ☒ Response to Office action (5)page(s); and
- ☒ This Facsimile Transmission Cover Sheet (1 page(s))

Respectfully submitted,

Abdul R. Zindani
Reg. No. 46,091

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